

Client Sample Results

Client: URS Corporation
Project/Site: Moline St., CO, 41569671

TestAmerica Job ID: 280-53332-1

Client Sample ID: SB-23-3

Date Collected: 03/19/14 14:55

Date Received: 03/21/14 12:30

Lab Sample ID: 280-53332-5

Matrix: Solid

Percent Solids: 82.0

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1232	ND		190	30	ug/Kg	⊕	03/26/14 14:22	03/28/14 00:14	5
PCB-1242	ND		190	53	ug/Kg	⊕	03/26/14 14:22	03/28/14 00:14	5
PCB-1248	1400	B	190	33	ug/Kg	⊕	03/26/14 14:22	03/28/14 00:14	5
PCB-1254	ND		190	32	ug/Kg	⊕	03/26/14 14:22	03/28/14 00:14	5
PCB-1260	ND		190	16	ug/Kg	⊕	03/26/14 14:22	03/28/14 00:14	5
PCB-1262	ND		190	68	ug/Kg	⊕	03/26/14 14:22	03/28/14 00:14	5
PCB-1268	ND		190	23	ug/Kg	⊕	03/26/14 14:22	03/28/14 00:14	5
Polychlorinated biphenyls, Total	1400	B	190	16	ug/Kg	⊕	03/26/14 14:22	03/28/14 00:14	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	90	D	53 - 128				03/26/14 14:22	03/28/14 00:14	5
DCB Decachlorobiphenyl	70	D	59 - 130				03/26/14 14:22	03/28/14 00:14	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	18		0.10	0.10	%			03/24/14 21:38	1

Client Sample ID: SB-24-1.5

Date Collected: 03/20/14 11:20

Date Received: 03/21/14 12:30

Lab Sample ID: 280-53332-6

Matrix: Solid

Percent Solids: 89.3

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1221	ND		51	17	ug/Kg	⊕	03/26/14 14:22	03/28/14 00:36	1
PCB-1016	ND		36	5.5	ug/Kg	⊕	03/26/14 14:22	03/28/14 00:36	1
PCB-1232	ND		36	5.5	ug/Kg	⊕	03/26/14 14:22	03/28/14 00:36	1
PCB-1242	ND		36	9.9	ug/Kg	⊕	03/26/14 14:22	03/28/14 00:36	1
PCB-1248	120	B	36	6.1	ug/Kg	⊕	03/26/14 14:22	03/28/14 00:36	1
PCB-1254	ND		36	6.0	ug/Kg	⊕	03/26/14 14:22	03/28/14 00:36	1
PCB-1260	ND		36	2.9	ug/Kg	⊕	03/26/14 14:22	03/28/14 00:36	1
PCB-1262	ND		36	13	ug/Kg	⊕	03/26/14 14:22	03/28/14 00:36	1
PCB-1268	ND		36	4.3	ug/Kg	⊕	03/26/14 14:22	03/28/14 00:36	1
Polychlorinated biphenyls, Total	120	B	36	2.9	ug/Kg	⊕	03/26/14 14:22	03/28/14 00:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	77		53 - 128				03/26/14 14:22	03/28/14 00:36	1
DCB Decachlorobiphenyl	69		59 - 130				03/26/14 14:22	03/28/14 00:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	11		0.10	0.10	%			03/24/14 21:38	1

Client Sample ID: SB-25-5.5

Date Collected: 03/19/14 15:10

Date Received: 03/21/14 12:30

Lab Sample ID: 280-53332-7

Matrix: Solid

Percent Solids: 88.2

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1221	ND		49	16	ug/Kg	⊕	03/26/14 14:22	03/28/14 00:57	1
PCB-1016	ND		34	5.3	ug/Kg	⊕	03/26/14 14:22	03/28/14 00:57	1
PCB-1232	ND		34	5.3	ug/Kg	⊕	03/26/14 14:22	03/28/14 00:57	1

TestAmerica Denver

Client Sample Results

Client: URS Corporation
Project/Site: Moline St., CO, 41569671

TestAmerica Job ID: 280-53332-1

Client Sample ID: SB-25-5.5

Date Collected: 03/19/14 15:10

Date Received: 03/21/14 12:30

Lab Sample ID: 280-53332-7

Matrix: Solid

Percent Solids: 88.2

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1242	ND		34	9.5	ug/Kg	⊕	03/26/14 14:22	03/28/14 00:57	1
PCB-1248	130	B	34	5.9	ug/Kg	⊕	03/26/14 14:22	03/28/14 00:57	1
PCB-1254	ND		34	5.8	ug/Kg	⊕	03/26/14 14:22	03/28/14 00:57	1
PCB-1260	ND		34	2.8	ug/Kg	⊕	03/26/14 14:22	03/28/14 00:57	1
PCB-1262	ND		34	12	ug/Kg	⊕	03/26/14 14:22	03/28/14 00:57	1
PCB-1268	ND		34	4.1	ug/Kg	⊕	03/26/14 14:22	03/28/14 00:57	1
Polychlorinated biphenyls, Total	130	B	34	2.8	ug/Kg	⊕	03/26/14 14:22	03/28/14 00:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	64		53 - 128				03/26/14 14:22	03/28/14 00:57	1
DCB Decachlorobiphenyl	54	X	59 - 130				03/26/14 14:22	03/28/14 00:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	12		0.10	0.10	%			03/24/14 21:38	1

Client Sample ID: SB-30-3

Date Collected: 03/19/14 13:15

Date Received: 03/21/14 12:30

Lab Sample ID: 280-53332-8

Matrix: Solid

Percent Solids: 88.1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1221	ND		26000	8800	ug/Kg	⊕	03/24/14 09:16	03/27/14 15:21	500
PCB-1016	ND		19000	2900	ug/Kg	⊕	03/24/14 09:16	03/27/14 15:21	500
PCB-1232	ND		19000	2900	ug/Kg	⊕	03/24/14 09:16	03/27/14 15:21	500
PCB-1242	ND		19000	5100	ug/Kg	⊕	03/24/14 09:16	03/27/14 15:21	500
PCB-1248	92000	B	19000	3200	ug/Kg	⊕	03/24/14 09:16	03/27/14 15:21	500
PCB-1254	ND		19000	3100	ug/Kg	⊕	03/24/14 09:16	03/27/14 15:21	500
PCB-1260	ND		19000	1500	ug/Kg	⊕	03/24/14 09:16	03/27/14 15:21	500
PCB-1262	ND		19000	6500	ug/Kg	⊕	03/24/14 09:16	03/27/14 15:21	500
PCB-1268	ND		19000	2200	ug/Kg	⊕	03/24/14 09:16	03/27/14 15:21	500
Polychlorinated biphenyls, Total	92000	B	19000	1500	ug/Kg	⊕	03/24/14 09:16	03/27/14 15:21	500
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	-501	X D	53 - 128				03/24/14 09:16	03/27/14 15:21	500
DCB Decachlorobiphenyl	9920	X D	59 - 130				03/24/14 09:16	03/27/14 15:21	500

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	12		0.10	0.10	%			03/24/14 21:38	1

Client Sample ID: SB-30-4-5

Date Collected: 03/19/14 13:20

Date Received: 03/21/14 12:30

Lab Sample ID: 280-53332-9

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		10	2.3	ug/L			03/25/14 21:20	1
1,2-Dichloroethane	ND		10	1.3	ug/L			03/25/14 21:20	1
2-Butanone (MEK)	ND		100	18	ug/L			03/25/14 21:20	1
Benzene	ND		10	1.6	ug/L			03/25/14 21:20	1

TestAmerica Denver

Client Sample Results

Client: URS Corporation
Project/Site: Moline St., CO, 41569671

TestAmerica Job ID: 280-53332-1

Client Sample ID: SB-30-4-5

Date Collected: 03/19/14 13:20

Date Received: 03/21/14 12:30

Lab Sample ID: 280-53332-9

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Carbon tetrachloride	ND		10	1.9	ug/L			03/25/14 21:20	1	
Chlorobenzene	ND		10	1.7	ug/L			03/25/14 21:20	1	
Chloroform	ND		10	1.6	ug/L			03/25/14 21:20	1	
Tetrachloroethene	ND		10	2.0	ug/L			03/25/14 21:20	1	
Trichloroethene	ND		10	1.6	ug/L			03/25/14 21:20	1	
Vinyl chloride	ND		10	1.0	ug/L			03/25/14 21:20	1	

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil	Fac
1,2-Dichloroethane-d4 (Surr)	99		64 - 129		03/25/14 21:20	1	
4-Bromofluorobenzene (Surr)	79		78 - 121		03/25/14 21:20	1	
Dibromofluoromethane (Surr)	104		79 - 119		03/25/14 21:20	1	
Toluene-d8 (Surr)	86		78 - 120		03/25/14 21:20	1	

Method: 6010C - Metales contaminantes de prioridad por ICP - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Arsenic	0.11	J	0.50	0.022	mg/L		03/24/14 12:00	03/24/14 20:05	1	
Barium	0.82	J B	1.0	0.0020	mg/L		03/24/14 12:00	03/24/14 20:05	1	
Cadmium	0.0028	J	0.10	0.0020	mg/L		03/24/14 12:00	03/24/14 20:05	1	
Chromium	0.0060	J	0.50	0.0030	mg/L		03/24/14 12:00	03/24/14 20:05	1	
Lead	ND		0.50	0.013	mg/L		03/24/14 12:00	03/24/14 20:05	1	
Selenium	ND		0.10	0.024	mg/L		03/24/14 12:00	03/24/14 20:05	1	
Silver	ND		0.50	0.0040	mg/L		03/24/14 12:00	03/24/14 20:05	1	

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Mercury	ND		0.0020	0.000030	mg/L		03/25/14 11:45	03/26/14 04:18	1	

Client Sample ID: SB-31-0.5

Date Collected: 03/18/14 15:20

Date Received: 03/21/14 12:30

Lab Sample ID: 280-53332-10

Matrix: Solid

Percent Solids: 98.6

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
PCB-1221	ND		470	160	ug/Kg	⊕	03/24/14 09:16	03/27/14 15:43	10	
PCB-1016	ND		330	51	ug/Kg	⊕	03/24/14 09:16	03/27/14 15:43	10	
PCB-1232	ND		330	51	ug/Kg	⊕	03/24/14 09:16	03/27/14 15:43	10	
PCB-1242	ND		330	91	ug/Kg	⊕	03/24/14 09:16	03/27/14 15:43	10	
PCB-1248	ND		330	56	ug/Kg	⊕	03/24/14 09:16	03/27/14 15:43	10	
PCB-1254	2700		330	55	ug/Kg	⊕	03/24/14 09:16	03/27/14 15:43	10	
PCB-1260	ND		330	27	ug/Kg	⊕	03/24/14 09:16	03/27/14 15:43	10	
PCB-1262	ND		330	120	ug/Kg	⊕	03/24/14 09:16	03/27/14 15:43	10	
PCB-1268	ND		330	40	ug/Kg	⊕	03/24/14 09:16	03/27/14 15:43	10	
Polychlorinated biphenyls, Total	2700	B	330	27	ug/Kg	⊕	03/24/14 09:16	03/27/14 15:43	10	

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil	Fac
Tetrachloro-m-xylene	72	D	53 - 128	03/24/14 09:16	03/27/14 15:43	10	
DCB Decachlorobiphenyl	229	X D	59 - 130	03/24/14 09:16	03/27/14 15:43	10	

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Percent Moisture	1.4		0.10	0.10	%			03/21/14 21:04	1	

TestAmerica Denver

Client Sample Results

Client: URS Corporation
Project/Site: Moline St., CO, 41569671

TestAmerica Job ID: 280-53332-1

Client Sample ID: SB-32-1.5

Date Collected: 03/18/14 10:15

Date Received: 03/21/14 12:30

Lab Sample ID: 280-53332-11

Matrix: Solid

Percent Solids: 87.3

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1221	ND		530000	170000	ug/Kg	✧	03/24/14 09:16	03/27/14 16:04	10000
PCB-1016	ND		370000	57000	ug/Kg	✧	03/24/14 09:16	03/27/14 16:04	10000
PCB-1232	ND		370000	57000	ug/Kg	✧	03/24/14 09:16	03/27/14 16:04	10000
PCB-1242	ND		370000	100000	ug/Kg	✧	03/24/14 09:16	03/27/14 16:04	10000
PCB-1248	2900000	B	370000	63000	ug/Kg	✧	03/24/14 09:16	03/27/14 16:04	10000
PCB-1254	ND		370000	62000	ug/Kg	✧	03/24/14 09:16	03/27/14 16:04	10000
PCB-1260	ND		370000	30000	ug/Kg	✧	03/24/14 09:16	03/27/14 16:04	10000
PCB-1262	ND		370000	130000	ug/Kg	✧	03/24/14 09:16	03/27/14 16:04	10000
PCB-1268	ND		370000	44000	ug/Kg	✧	03/24/14 09:16	03/27/14 16:04	10000
Polychlorinated biphenyls, Total	2900000	B	370000	30000	ug/Kg	✧	03/24/14 09:16	03/27/14 16:04	10000
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	-13096	X D	53 - 128				03/24/14 09:16	03/27/14 16:04	10000
DCB Decachlorobiphenyl	0	X D	59 - 130				03/24/14 09:16	03/27/14 16:04	10000

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	13		0.10	0.10	%			03/21/14 21:04	1

Client Sample ID: SB-40-3

Date Collected: 03/18/14 15:40

Date Received: 03/21/14 12:30

Lab Sample ID: 280-53332-12

Matrix: Solid

Percent Solids: 83.0

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1221	ND		1100000	370000	ug/Kg	✧	03/24/14 09:16	03/27/14 16:25	20000
PCB-1016	ND		780000	120000	ug/Kg	✧	03/24/14 09:16	03/27/14 16:25	20000
PCB-1232	ND		780000	120000	ug/Kg	✧	03/24/14 09:16	03/27/14 16:25	20000
PCB-1242	ND		780000	210000	ug/Kg	✧	03/24/14 09:16	03/27/14 16:25	20000
PCB-1248	7900000	B	780000	130000	ug/Kg	✧	03/24/14 09:16	03/27/14 16:25	20000
PCB-1254	ND		780000	130000	ug/Kg	✧	03/24/14 09:16	03/27/14 16:25	20000
PCB-1260	ND		780000	62000	ug/Kg	✧	03/24/14 09:16	03/27/14 16:25	20000
PCB-1262	ND		780000	270000	ug/Kg	✧	03/24/14 09:16	03/27/14 16:25	20000
PCB-1268	ND		780000	93000	ug/Kg	✧	03/24/14 09:16	03/27/14 16:25	20000
Polychlorinated biphenyls, Total	7900000	B	780000	62000	ug/Kg	✧	03/24/14 09:16	03/27/14 16:25	20000
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	-29709	X D	53 - 128				03/24/14 09:16	03/27/14 16:25	20000
DCB Decachlorobiphenyl	0	X D	59 - 130				03/24/14 09:16	03/27/14 16:25	20000

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	17		0.10	0.10	%			03/24/14 21:38	1

Client Sample ID: SB-40-4

Date Collected: 03/18/14 15:45

Date Received: 03/21/14 12:30

Lab Sample ID: 280-53332-13

Matrix: Solid

Percent Solids: 87.8

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1221	ND		490000	160000	ug/Kg	✧	03/24/14 09:16	03/27/14 16:47	10000

TestAmerica Denver

Client Sample Results

Client: URS Corporation
Project/Site: Moline St., CO, 41569671

TestAmerica Job ID: 280-53332-1

Client Sample ID: SB-40-4

Date Collected: 03/18/14 15:45

Date Received: 03/21/14 12:30

Lab Sample ID: 280-53332-13

Matrix: Solid

Percent Solids: 87.8

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		350000	53000	ug/Kg	⊗	03/24/14 09:16	03/27/14 16:47	10000
PCB-1232	ND		350000	54000	ug/Kg	⊗	03/24/14 09:16	03/27/14 16:47	10000
PCB-1242	ND		350000	96000	ug/Kg	⊗	03/24/14 09:16	03/27/14 16:47	10000
PCB-1248	2700000	B	350000	59000	ug/Kg	⊗	03/24/14 09:16	03/27/14 16:47	10000
PCB-1254	ND		350000	58000	ug/Kg	⊗	03/24/14 09:16	03/27/14 16:47	10000
PCB-1260	ND		350000	28000	ug/Kg	⊗	03/24/14 09:16	03/27/14 16:47	10000
PCB-1262	ND		350000	120000	ug/Kg	⊗	03/24/14 09:16	03/27/14 16:47	10000
PCB-1268	ND		350000	42000	ug/Kg	⊗	03/24/14 09:16	03/27/14 16:47	10000
Polychlorinated biphenyls, Total	2700000	B	350000	28000	ug/Kg	⊗	03/24/14 09:16	03/27/14 16:47	10000

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	0	X D	53 - 128	03/24/14 09:16	03/27/14 16:47	10000
DCB Decachlorobiphenyl	0	X D	59 - 130	03/24/14 09:16	03/27/14 16:47	10000

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	12		0.10	0.10	%			03/24/14 21:38	1

Client Sample ID: SB-43-3

Date Collected: 03/20/14 09:55

Date Received: 03/21/14 12:30

Lab Sample ID: 280-53332-14

Matrix: Solid

Percent Solids: 82.4

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1221	ND		280000	92000	ug/Kg	⊗	03/24/14 09:16	03/27/14 17:08	5000
PCB-1016	ND		190000	30000	ug/Kg	⊗	03/24/14 09:16	03/27/14 17:08	5000
PCB-1232	ND		190000	30000	ug/Kg	⊗	03/24/14 09:16	03/27/14 17:08	5000
PCB-1242	ND		190000	54000	ug/Kg	⊗	03/24/14 09:16	03/27/14 17:08	5000
PCB-1248	1100000	B	190000	33000	ug/Kg	⊗	03/24/14 09:16	03/27/14 17:08	5000
PCB-1254	ND		190000	32000	ug/Kg	⊗	03/24/14 09:16	03/27/14 17:08	5000
PCB-1260	ND		190000	16000	ug/Kg	⊗	03/24/14 09:16	03/27/14 17:08	5000
PCB-1262	ND		190000	68000	ug/Kg	⊗	03/24/14 09:16	03/27/14 17:08	5000
PCB-1268	ND		190000	23000	ug/Kg	⊗	03/24/14 09:16	03/27/14 17:08	5000
Polychlorinated biphenyls, Total	1100000	B	190000	16000	ug/Kg	⊗	03/24/14 09:16	03/27/14 17:08	5000

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	0	X D	53 - 128	03/24/14 09:16	03/27/14 17:08	5000
DCB Decachlorobiphenyl	0	X D	59 - 130	03/24/14 09:16	03/27/14 17:08	5000

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	18		0.10	0.10	%			03/24/14 21:38	1

Client Sample ID: SB-44-4.5

Date Collected: 03/20/14 10:10

Date Received: 03/21/14 12:30

Lab Sample ID: 280-53332-15

Matrix: Solid

Percent Solids: 89.7

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1221	ND		10000	3300	ug/Kg	⊗	03/24/14 09:16	03/27/14 17:29	200
PCB-1016	ND		7000	1100	ug/Kg	⊗	03/24/14 09:16	03/27/14 17:29	200

TestAmerica Denver

Client Sample Results

Client: URS Corporation
Project/Site: Moline St., CO, 41569671

TestAmerica Job ID: 280-53332-1

Client Sample ID: SB-44-4.5

Date Collected: 03/20/14 10:10

Date Received: 03/21/14 12:30

Lab Sample ID: 280-53332-15

Matrix: Solid

Percent Solids: 89.7

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1232	ND		7000	1100	ug/Kg	⊕	03/24/14 09:16	03/27/14 17:29	200
PCB-1242	ND		7000	1900	ug/Kg	⊕	03/24/14 09:16	03/27/14 17:29	200
PCB-1248	27000	B	7000	1200	ug/Kg	⊕	03/24/14 09:16	03/27/14 17:29	200
PCB-1254	ND		7000	1200	ug/Kg	⊕	03/24/14 09:16	03/27/14 17:29	200
PCB-1260	ND		7000	560	ug/Kg	⊕	03/24/14 09:16	03/27/14 17:29	200
PCB-1262	ND		7000	2500	ug/Kg	⊕	03/24/14 09:16	03/27/14 17:29	200
PCB-1268	ND		7000	840	ug/Kg	⊕	03/24/14 09:16	03/27/14 17:29	200
Polychlorinated biphenyls, Total	27000	B	7000	560	ug/Kg	⊕	03/24/14 09:16	03/27/14 17:29	200

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	-208	X D	53 - 128	03/24/14 09:16	03/27/14 17:29	200
DCB Decachlorobiphenyl	101	D	59 - 130	03/24/14 09:16	03/27/14 17:29	200

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	10		0.10	0.10	%			03/24/14 21:38	1

Client Sample ID: SB-45-4.5

Date Collected: 03/19/14 13:55

Date Received: 03/21/14 12:30

Lab Sample ID: 280-53332-16

Matrix: Solid

Percent Solids: 92.0

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1221	ND		10000	3300	ug/Kg	⊕	03/24/14 09:16	03/27/14 18:12	200
PCB-1016	ND		7000	1100	ug/Kg	⊕	03/24/14 09:16	03/27/14 18:12	200
PCB-1232	ND		7000	1100	ug/Kg	⊕	03/24/14 09:16	03/27/14 18:12	200
PCB-1242	ND		7000	1900	ug/Kg	⊕	03/24/14 09:16	03/27/14 18:12	200
PCB-1248	43000	B	7000	1200	ug/Kg	⊕	03/24/14 09:16	03/27/14 18:12	200
PCB-1254	ND		7000	1200	ug/Kg	⊕	03/24/14 09:16	03/27/14 18:12	200
PCB-1260	ND		7000	560	ug/Kg	⊕	03/24/14 09:16	03/27/14 18:12	200
PCB-1262	ND		7000	2500	ug/Kg	⊕	03/24/14 09:16	03/27/14 18:12	200
PCB-1268	ND		7000	840	ug/Kg	⊕	03/24/14 09:16	03/27/14 18:12	200
Polychlorinated biphenyls, Total	43000	B	7000	560	ug/Kg	⊕	03/24/14 09:16	03/27/14 18:12	200

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	-177	X D	53 - 128	03/24/14 09:16	03/27/14 18:12	200
DCB Decachlorobiphenyl	914	D X	59 - 130	03/24/14 09:16	03/27/14 18:12	200

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	8.0		0.10	0.10	%			03/24/14 21:38	1

Client Sample ID: SB-43-3-FD

Date Collected: 03/20/14 10:00

Date Received: 03/21/14 12:30

Lab Sample ID: 280-53332-17

Matrix: Solid

Percent Solids: 75.9

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1221	ND		580000	190000	ug/Kg	⊕	03/24/14 09:16	03/27/14 18:33	10000
PCB-1016	ND		400000	62000	ug/Kg	⊕	03/24/14 09:16	03/27/14 18:33	10000
PCB-1232	ND		400000	63000	ug/Kg	⊕	03/24/14 09:16	03/27/14 18:33	10000

TestAmerica Denver

Client Sample Results

Client: URS Corporation
Project/Site: Moline St., CO, 41569671

TestAmerica Job ID: 280-53332-1

Client Sample ID: SB-43-3-FD

Date Collected: 03/20/14 10:00

Date Received: 03/21/14 12:30

Lab Sample ID: 280-53332-17

Matrix: Solid

Percent Solids: 75.9

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1242	ND		400000	110000	ug/Kg	⊗	03/24/14 09:16	03/27/14 18:33	10000
PCB-1248	2800000	B	400000	69000	ug/Kg	⊗	03/24/14 09:16	03/27/14 18:33	10000
PCB-1254	ND		400000	68000	ug/Kg	⊗	03/24/14 09:16	03/27/14 18:33	10000
PCB-1260	ND		400000	32000	ug/Kg	⊗	03/24/14 09:16	03/27/14 18:33	10000
PCB-1262	ND		400000	140000	ug/Kg	⊗	03/24/14 09:16	03/27/14 18:33	10000
PCB-1268	ND		400000	48000	ug/Kg	⊗	03/24/14 09:16	03/27/14 18:33	10000
Polychlorinated biphenyls, Total	2800000	B	400000	32000	ug/Kg	⊗	03/24/14 09:16	03/27/14 18:33	10000
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	-14605	X D	53 - 128				03/24/14 09:16	03/27/14 18:33	10000
DCB Decachlorobiphenyl	0	X D	59 - 130				03/24/14 09:16	03/27/14 18:33	10000

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	24		0.10	0.10	%			03/24/14 21:38	1

Client Sample ID: SB-47-2

Date Collected: 03/20/14 09:05

Date Received: 03/21/14 12:30

Lab Sample ID: 280-53332-18

Matrix: Solid

Percent Solids: 82.2

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1221	ND		1100000	360000	ug/Kg	⊗	03/24/14 09:16	03/27/14 18:55	20000
PCB-1016	ND		750000	120000	ug/Kg	⊗	03/24/14 09:16	03/27/14 18:55	20000
PCB-1232	ND		750000	120000	ug/Kg	⊗	03/24/14 09:16	03/27/14 18:55	20000
PCB-1242	ND		750000	210000	ug/Kg	⊗	03/24/14 09:16	03/27/14 18:55	20000
PCB-1248	7400000	B	750000	130000	ug/Kg	⊗	03/24/14 09:16	03/27/14 18:55	20000
PCB-1254	ND		750000	130000	ug/Kg	⊗	03/24/14 09:16	03/27/14 18:55	20000
PCB-1260	ND		750000	60000	ug/Kg	⊗	03/24/14 09:16	03/27/14 18:55	20000
PCB-1262	ND		750000	260000	ug/Kg	⊗	03/24/14 09:16	03/27/14 18:55	20000
PCB-1268	ND		750000	90000	ug/Kg	⊗	03/24/14 09:16	03/27/14 18:55	20000
Polychlorinated biphenyls, Total	7400000	B	750000	60000	ug/Kg	⊗	03/24/14 09:16	03/27/14 18:55	20000
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	-31640	X D	53 - 128				03/24/14 09:16	03/27/14 18:55	20000
DCB Decachlorobiphenyl	0	X D	59 - 130				03/24/14 09:16	03/27/14 18:55	20000

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	18		0.10	0.10	%			03/24/14 21:38	1

Client Sample ID: SB-47-9

Date Collected: 03/20/14 09:15

Date Received: 03/21/14 12:30

Lab Sample ID: 280-53332-19

Matrix: Solid

Percent Solids: 88.5

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1221	ND		520	170	ug/Kg	⊗	03/24/14 09:16	03/27/14 19:16	10
PCB-1016	ND		360	56	ug/Kg	⊗	03/24/14 09:16	03/27/14 19:16	10
PCB-1232	ND		360	57	ug/Kg	⊗	03/24/14 09:16	03/27/14 19:16	10
PCB-1242	ND		360	100	ug/Kg	⊗	03/24/14 09:16	03/27/14 19:16	10

TestAmerica Denver

Client Sample Results

Client: URS Corporation
Project/Site: Moline St., CO, 41569671

TestAmerica Job ID: 280-53332-1

Client Sample ID: SB-47-9

Date Collected: 03/20/14 09:15

Date Received: 03/21/14 12:30

Lab Sample ID: 280-53332-19

Matrix: Solid

Percent Solids: 88.5

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1248	2200	B	360	62	ug/Kg	⊕	03/24/14 09:16	03/27/14 19:16	10
PCB-1254	ND		360	61	ug/Kg	⊕	03/24/14 09:16	03/27/14 19:16	10
PCB-1260	ND		360	29	ug/Kg	⊕	03/24/14 09:16	03/27/14 19:16	10
PCB-1262	ND		360	130	ug/Kg	⊕	03/24/14 09:16	03/27/14 19:16	10
PCB-1268	ND		360	44	ug/Kg	⊕	03/24/14 09:16	03/27/14 19:16	10
Polychlorinated biphenyls, Total	2200	B	360	29	ug/Kg	⊕	03/24/14 09:16	03/27/14 19:16	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	73	D	53 - 128				03/24/14 09:16	03/27/14 19:16	10
DCB Decachlorobiphenyl	72	D	59 - 130				03/24/14 09:16	03/27/14 19:16	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	11		0.10	0.10	%			03/24/14 21:38	1

Client Sample ID: SB-47-3-5

Date Collected: 03/20/14 09:10

Date Received: 03/21/14 12:30

Lab Sample ID: 280-53332-20

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		10	2.3	ug/L			03/25/14 22:49	1
1,2-Dichloroethane	ND		10	1.3	ug/L			03/25/14 22:49	1
2-Butanone (MEK)	ND		100	18	ug/L			03/25/14 22:49	1
Benzene	ND		10	1.6	ug/L			03/25/14 22:49	1
Carbon tetrachloride	ND		10	1.9	ug/L			03/25/14 22:49	1
Chlorobenzene	ND		10	1.7	ug/L			03/25/14 22:49	1
Chloroform	ND		10	1.6	ug/L			03/25/14 22:49	1
Tetrachloroethene	ND		10	2.0	ug/L			03/25/14 22:49	1
Trichloroethene	ND		10	1.6	ug/L			03/25/14 22:49	1
Vinyl chloride	ND		10	1.0	ug/L			03/25/14 22:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		64 - 129					03/25/14 22:49	1
4-Bromofluorobenzene (Surr)	81		78 - 121					03/25/14 22:49	1
Dibromofluoromethane (Surr)	111		79 - 119					03/25/14 22:49	1
Toluene-d8 (Surr)	88		78 - 120					03/25/14 22:49	1

Method: 6010C - Metales contaminantes de prioridad por ICP - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.057	J	0.50	0.022	mg/L		03/24/14 12:00	03/24/14 20:08	1
Barium	0.50	J B	1.0	0.0020	mg/L		03/24/14 12:00	03/24/14 20:08	1
Cadmium	ND		0.10	0.0020	mg/L		03/24/14 12:00	03/24/14 20:08	1
Chromium	0.0040	J	0.50	0.0030	mg/L		03/24/14 12:00	03/24/14 20:08	1
Lead	ND		0.50	0.013	mg/L		03/24/14 12:00	03/24/14 20:08	1
Selenium	0.034	J	0.10	0.024	mg/L		03/24/14 12:00	03/24/14 20:08	1
Silver	ND		0.50	0.0040	mg/L		03/24/14 12:00	03/24/14 20:08	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0020	0.000030	mg/L		03/25/14 11:45	03/26/14 04:21	1

TestAmerica Denver



CLEAN HARBORS ENVIRONMENTAL SERVICES, INC. POLICIES

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Revised 9/2001



CLEAN HARBORS ENVIRONMENTAL SERVICES, INC. POLICIES

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CLEAN HARBOR ENVIRONMENTAL SERVICES, INC. POLICIES

1. VEHICLE SAFETY AND COMPLIANCE

It is the driver's responsibility to make sure the vehicle and the load are in full compliance with all local, state and federal regulations and that the driver is in full compliance with all regulations as they pertain to the operation of a commercial motor vehicle.

All Clean Harbors Policies and Procedures contained in this Transportation Manual are intended to comply with applicable United States Department of Transportation requirements. If any conflict exists, the United States Department of Transportation rules shall control.

The Transportation Compliance Department monitors driver and vehicle compliance with respect to all applicable local, federal and state regulations.

All drivers are expected to interact with representatives from the Transportation Compliance Department in order to obtain information.

The Transportation Compliance Department monitors the following:

- A. Inspection of vehicle, permits and safety equipment;
- B. Speed monitoring - Logs will include miles driven vs. hours spent driving. All drivers are not to exceed an average of 52 miles per hour in a 55 miles per hour zone and not to exceed an average of 62 miles per hour in a 65 miles per hour zone on highways;
- C. Annual review of driving record. Driver is required to complete an annual statement of violation and submit it to corporate compliance;
- D. Inspection of tires (NO recaps on steering axle);
- E. Enforcement of D.O.T. Out of Service criteria;
- F. Escort service for all loaded vehicles entering or leaving Clean Harbors of Braintree, Inc. transporting acutely hazardous materials ("P" Codes);
- G. Escort service for OVERWIDTH/OVERWEIGHT loads;
- H. Field checks of correct operating procedures;

- I. Review of new hire road tests conducted by those individuals authorized to conduct the new hire driver test;
- J. Accident and incident investigation.

2. PROFESSIONALISM/SERVICE

The primary mission for all drivers is to operate the fleet in a lawful and safe manner and to provide quality service to our customers. Quality is based on many things. One main aspect of quality service is professionalism.

Professionalism can be demonstrated in many ways:

- A. Appearance of vehicle and driver;
- B. Attitude of driver concerning compliance and customer service;
- C. Knowledge and expertise of driver; and
- D. Courtesy on the road and to the customer.

3. PRE-TRIP and POST-TRIP INSPECTION

All drivers must perform a pre-trip **and** post trip inspection on each piece of equipment they operate each day. These inspections **must** be conducted **each day** and are to be documented on the inspection form provided by Clean Harbors.

- A. Driver is assigned a particular tractor/trailer or straight vehicle for day(s) work.
- B. Driver reviews copy of previous day's vehicle inspection report (yellow copy) that is carried in the power unit.
- C. If no defects are noted on the report and driver is satisfied that the vehicle is in safe operating condition, he/she uses previous day's inspection for that day's work. No signature by the operating driver is required.
- D. If defects are noted, driver is to sign previous day's inspection report only after completing his/her own inspection and is satisfied that the defects noted by the previous driver have been corrected. The previous day's inspection must also bear the signature of the individual(s) who performed the repairs.

- E. At the completion of **each day**, the driver is to conduct a post-trip inspection on each unit operated. The written report must include the carrier's full name, responsible branch or division, unit number(s) [if tractor/trailer, then include driver's name, odometer reading and drive's signature].
- F. If no defects are noted, driver is to indicate this and sign the vehicle inspection report.
- G. Driver then bursts the 4-part inspection report and distributes the copies as follows:

Yellow copy	driver leaves in the power unit and if tractor-trailer is separated, a photocopy in the permit holder of the trailer
Other copies	turned in to dispatcher with paperwork
Previous day's yellow copy	turned in to dispatcher with paper work

- H. If defects are noted, driver is to immediately inform dispatcher of the defect.
- I. Dispatcher must ensure that the defect is repaired PRIOR to the dispatch of vehicle. The dispatcher is responsible for obtaining the required repairs and ensuring that the individual making needed repairs sign both the yellow and pink copies of the report.
- J. Dispatcher is to ensure that the inspection report bearing the mechanics signature is placed in the unit for the next day's trip.
- K. No unit is to be dispatched until ALL required repairs have been made.



DATE: _____

DRIVER VEHICLE INSPECTION REPORT

CARRIER'S NAME: CLEAN HARBORS ENVIRONMENTAL SERVICES, INC.
CARRIER'S ADDRESS: 1501 WASHINGTON STREET, BRAINTREE, MA

TERMINAL ADDRESS: _____

DRIVER: _____

POWER UNIT # _____ TRAILER FLEET # _____

MILEAGE _____ HUB ODOMETER _____

HOUR METER _____ DOT ANNUAL INSPECTION DATE: _____

CHECK ANY DEFECTIVE ITEM WITH AN X AND GIVE DETAILS

SAFETY EQUIPMENT	CONTROL EQUIPMENT	TECHNICAL EQUIPMENT
SPARE TIRE	CB RADIO	RAILROAD CASKET
FIRE EXTINGUISHER	CHOCK BLOCKS	VALVE
(B) REFLECTOR TRIANGLES	ENGINE OIL LEVEL	CHILL TRAYS
WHEELS O.K.	HYD OIL LEVEL	HEAD BODILY CASKET
TIRES O.K.	ENGINE COOLANT LEVEL	DRUMMING CABLE
FIRST AID KIT	WATERING	WHEEL RELIEF VALVE
FLUORESCENT GEAR	AIR LINES	I DATE
FLASHLIGHT	ELECTRICAL	R DATE
RENEWEL	LAMP OIL OIL	T DATE
EMERGENCY EQUIPMENT	BODY DOORS	P DATE
ABSORBER	TANKS	I DATE
4 HALLWAY CUBES	OPERATOR DEFENSE	V DATE
SHALL SHOVEL	LIGHTED DEVICES	COPIES & MATH LOT
DRIVER	REFLECTORS	CRASH CLOTHES DEVICE
		OVERVIEW DRUM

REMARKS: _____

THE CONDITION OF THE ABOVE VEHICLE IS:

☐ SATISFACTORY / ☐ OUT OF SERVICE

☐ ABOVE DEFECTS COULD NOT BE CORRECTED FOR SAFE OPERATION OF VEHICLE

☐ ABOVE DEFECTS CORRECTED

MECHANIC'S NAME: _____

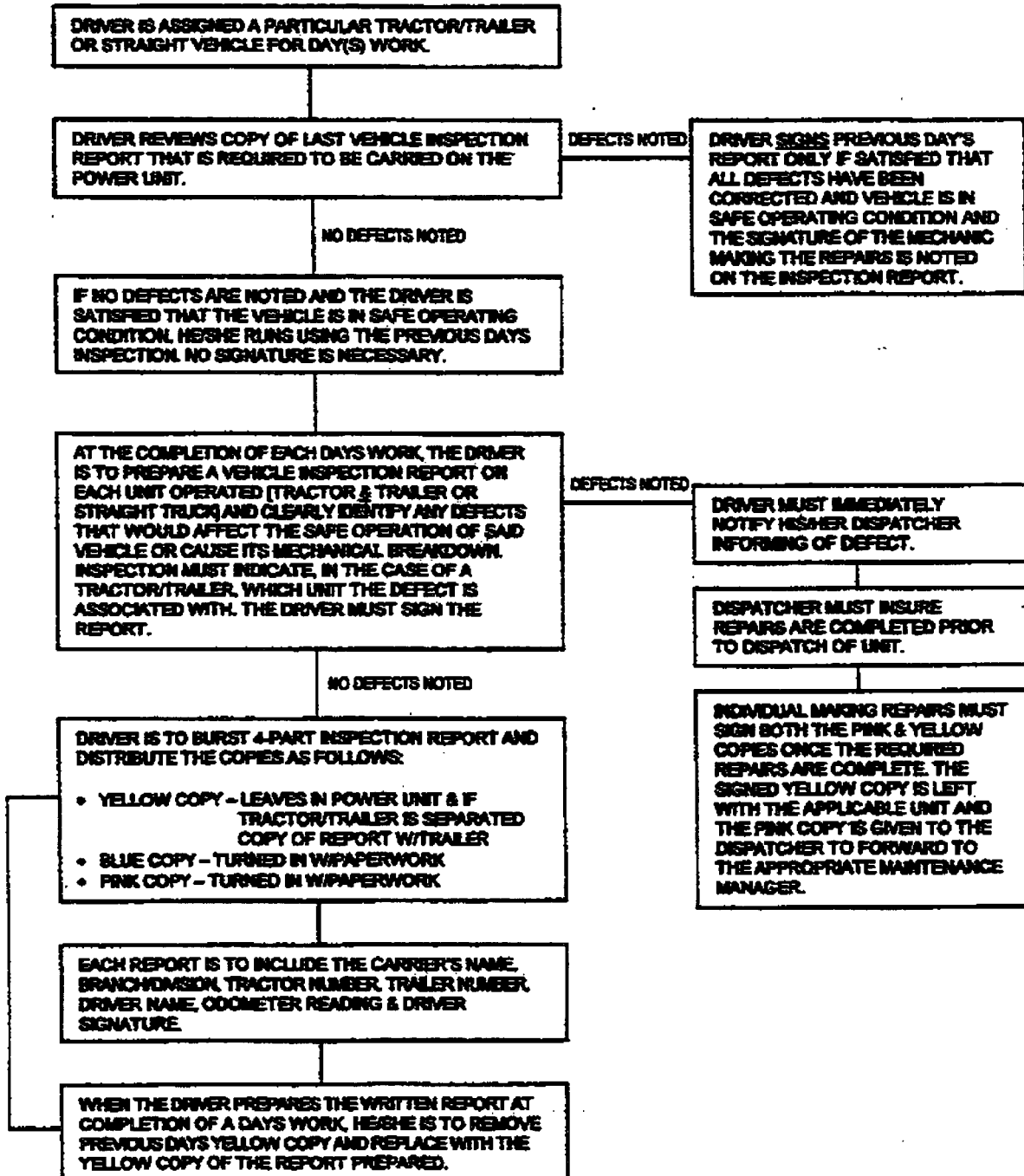
DRIVER'S SIGNATURE _____ DATE _____

WHITE - VEHICLE TERMINAL

CANARY

COMPLIANCE

BLACK - MAINT CHARGE



4. DRIVER'S LICENSE

All drivers working for any of Clean Harbor's Companies must possess a valid Commercial Drivers License ["CDL"] with all required endorsements. This license must be carried at all times when operating Clean Harbor's vehicles. Furthermore, it is the driver's responsibility to forward a legible copy of his/her driver's license to the Transportation Compliance Department upon renewal or addition of an endorsement.

5. CITATIONS AND CONVICTIONS

Drivers must notify the Transportation Compliance Department in writing immediately after being charged or convicted of a motor vehicle moving violation (not parking violations). The driver is also required to notify his/her home state (licensing state) if a conviction was received outside the home state. This includes all notices of violation for leaking vehicles.

Drivers must also provide the Transportation Compliance Department (and follow-up with a written report and a copy of the ticket or citation) with the following information. (Forms are found in Section XII).

- A. Driver's full name;
- B. Driver's license number & state issued;
- C. Nature of violation;
- D. Indication of whether violation was committed in a commercial motor vehicle or a personal auto;
- E. Location of offense; and,
- F. Driver's signature.

6. RECORD OF DUTY STATUS ("LOGS")

Driver's logs will be audited by The Transportation Compliance Department for Compliance with 49 CFR 395 –Hours of Service of Drivers.

LOG BOOK VIOLATION - PROGRESSIVE DISCIPLINARY PROGRAM
(Effective January 1, 2000).

All drivers (the term driver shall include all individuals who maintain an active Driver Qualification File) shall comply with Regulations found in 49 CFR Part 395. Log reviews which identify violations of the hours of service regulations will be disciplined* according to the Policy listed below:

First Violation	Log Book Warning Notice
Second Violation	Written Warning to Personnel File
Third Violation	1-Day Suspension and review of Hours of Service Regulations
Fourth Violation	Five-Day Suspension
Fifth Violation	Termination

***Note:** This is the only mandatory progressive discipline program that applies to drivers. This Policy may be waived by the Company in the case of egregious, willful logbook falsifications.

7. LICENSE SUSPENSIONS AND REVOCATIONS

Drivers are required to immediately notify the Transportation Compliance Department of all suspensions, revocations or cancellations of their driver's license or other disqualification from operating a motor vehicle. A driver is restricted from operating any Clean Harbors vehicle until such time that his/her license has been reinstated and the approval of the Risk Management Department has been obtained.

8. MEDICAL SURVEILLANCE

All employees who maintain an active Driver Qualification File must submit to and pass a pre-employment DOT/OSHA physical and controlled substance test performed by the medical provider retained by Clean Harbors. In addition, all individuals noted above must also submit to an annual DOT/OSHA physical. All employees covered by this requirement must be in possession of a valid Medical Examiners Card at all times.

9. INTOXICATING BEVERAGES/SUBSTANCES

No driver shall consume any intoxicating beverages or substances including medicinal or personal hygiene products regardless of its alcoholic content, or be under the influence of an intoxicating beverage or substance while on duty, or operating, or in physical control of a motor vehicle.

No driver shall consume an intoxicating beverage or substance within eight (8) hours before going on duty or operating or having physical control of a motor vehicle.

10. DRUGS AND OTHER SUBSTANCES

No driver shall be on duty while under the influence of drugs or other substance that may impair driving ability. This includes prescription and over the counter medications.

11. FIREARMS, AMMUNITION AND WEAPONS

No driver shall carry or be in possession of any type of firearm, ammunition or any weapon while on duty. At no time shall a firearm, ammunition or any weapon be carried in a company vehicle.

12. RIDERS

Only Clean Harbors employees are allowed to ride in or operate any Clean Harbors vehicle.

13. ZERO TOLERANCE PROGRAM

- A. DOT Required Testing (49 CFR Part 391 Subpart H):
 - 1. Pre-employment;
 - 2. Periodic;
 - 3. Random;
 - 4. Post-accident;
 - 5. Reasonable Cause.
- B. Drivers must attend Health and Safety classes on drug use. **Annual attendance is mandatory.**
- C. A positive test may have one (1) retest of the same biological sample at the employee's expense.
- D. A positive test that is negative on retest must be periodically tested for five (5) years.
- E. A positive retest disqualifies a driver and may result in termination.
- F. Refusal to take a test should be considered a POSITIVE TEST.
- G. Medical and Qualification Cards must be immediately surrendered to Clean Harbors in the event of a POSITIVE TEST.
- H. Company Employee Assistance Program (Contact your local Manager and Employee Relations Department).

14. TRIP DOCUMENTATION (Paperwork)

- A. All Clean Harbors drivers must submit to their T&D Manager the following paperwork for each trip.

1. Daily Worksheets
 - Filled out for every hour the vehicle is being used.
 - Signatures must be obtained for loading and off-loading times.
2. State Tax Reporting
 - Trips & Dispatch reports indicating all miles traveled (toll & non-toll miles).
 - Original fuel and toll receipts must be attached to corresponding Trip & Dispatch report.

Note: Ending Mileage MUST BE the Beginning Mileage of the next Trip & Dispatch Report for the same vehicle.

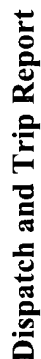
3. Weight Slips - where applicable.
4. Copy 5 of Manifest and/or signed Disposal Receipts.
5. Original log for each day with copies of all supporting documents attached. Supporting documents include:
 - a. Toll receipts
 - b. Fuel receipts
 - c. Weight Slips
 - d. Manifest or bill of lading
 - e. Roadside inspection report
 - f. Repair order
6. Vehicle inspection reports. Each driver is to turn in the Pink & Blue copy from his/her post-trip inspection as well as the Yellow copy from the previous day.

Note: A Pre-Trip/Post-Trip is required for each day not each trip.

DISPATCH AND TRIP REPORTS INFORMATION GUIDE

- A. Record only ONE UNIT to each report.
- B. Report EVERY mile, i.e., trips to garage, bobtail miles, etc. The last odometer reading on one report should be the beginning reading on the next report.
- C. The last state reported on one report should be the first state listed on the next report.

- D. The only exempt state for empty miles is Arkansas. The miles still have to be reported on your report, however.
- E. DO NOT use mile markers for reporting miles in the state of Virginia.
- F. Fuel purchased at Indian Reservations MUST be noted on your Dispatch and Trip reports.
- G. Use ODOMETER READING only for recording mileage. DO NOT use trip miles.
- H. States must be listed in the order in which they were traveled.
- I. A new Dispatch and Trip report must be prepared if your trip carries over into the next month.
- J. Every trip in which you use a temporary fuel permit should have a copy of the permit attached to the D&T report.
- K. When fueling at a Clean Harbors location, please note the facility on your D&T report and attach one copy of the Clean Harbors fuel receipt (Form CHI171).
- L. ORIGINAL fuel and toll receipts MUST be attached to the corresponding D&T report. Fuel MUST be listed on the same line as the state in which it was purchased.
- M. All fuel receipts MUST have the date, invoice number, name of truck stop, city, gallons and price per gallon. We CANNOT take credit for fuel tax reporting without ALL of this information.
- N. All NEW YORK tolls must indicate on the reverse side the NY HUT (highway Use Tax) number and trip or manifest number.



Clean Harbors

AK	ALABAMA
AL	ALASKA
AZ	ARIZONA
AR	ARKANSAS
CA	CALIFORNIA
CO	COLORADO
CT	CONNECTICUT
DE	DELAWARE
DC	DIST. OF COLUMBIA
FL	FLORIDA
GA	GEORGIA
ID	IDaho
IL	ILLINOIS
IN	INDIANA
IA	Idaho
KS	KANSAS
KY	KENTUCKY
LA	LOUISIANA
ME	MAINE
MD	MARYLAND
MA	MASSACHUSETTS
MI	MICHIGAN
MN	MINNESOTA
MS	MISSISSIPPI
MO	MISSOURI
MT	MONTANA
NE	NEBRASKA
NH	NEW HAMPSHIRE
NJ	NEW JERSEY
NM	NEW MEXICO
NY	NEW YORK
NC	NORTH CAROLINA
ND	NORTH DAKOTA
OH	OHIO
OK	OKLAHOMA
OR	OREGON
PA	PENNSYLVANIA
RI	RHODE ISLAND
SC	SOUTH CAROLINA
SD	SOUTH DAKOTA
TN	TENNESSEE
TX	TEXAS
UT	UTAH
VT	VERMONT
WA	WASHINGTON
WV	WEST VIRGINIA
WI	WISCONSIN
WY	WYOMING
ME	MAINE
AB	ALBERTA
BC	BRITISH COLUMBIA
MB	MANITOBA
NK	NEW BRUNSWICK
NS	NEW SCOTLAND
NW	N.W. TERRITORIES
NS	NOVA SCOTIA
ON	ONTARIO
PE	PRINCE EDWARD ISLAND
FO	QUEBEC
SK	SASKATCHEWAN
YU	YUKON

DISPATCH SPECIAL INSTRUCTIONS

SHIPPER _____ CONSIGNEE _____
 ADDRESS _____ ADDRESS _____
 CITY _____ STATE _____ ZIP _____ CITY _____ STATE _____ ZIP _____
 DATE/TIME LOADED _____ DELIVERY DATE/TIME _____
 PLACARDS REQUIRED ☐ YES ☐ NO TYPE _____
 STOP-OFF POINTS 1. _____ 2. _____ 3. _____ 4. _____

**ATTACH COPY
OF TRIP
LEASE AND/OR
TEMPORARY PERMIT
EVERY TIME
YOUR TRAVEL
INVOLVES THESE
PAPERS**

TRIP REPORT (DRIVER TO COMPLETE)
ALL AREAS — SEE INSTRUCTIONS & SAMPLES ON BACK

[illegible]

**IMPORTANT:
STAPLE
ALL
ORIGINAL
FUEL
&
TOLL
RECEIPTS
HERE**

DRIVER/CONTRACTORS SIGNATURE _____

DAIF

CHI 134

Manager's Signature

Date _____

DRIVER INSTRUCTIONS

STATE LAWS REQUIRE THE OPERATOR TO KEEP A RECORD OF MILES DRIVEN AND THE FUEL PURCHASED BY STATE. YOU ARE THE ONLY PERSON WHO CAN PROVIDE THIS INFORMATION.

EACH TRIP RECORD MUST COVER ALL MILES TRAVELED INCLUDING DEAD-HEAD MILES.

ATTACH ALL ORIGINAL RECEIPTS
FUEL AND TOLL

ATTACH ALL ORIGINAL TRIP PERMITS.

PROPERLY COMPLETED TRIP RECORDS WILL AVOID FINES AND ASSESSMENTS AGAINST YOUR COMPANY.

IF YOUR TRUCK BREAKS DOWN AND YOU GET A SUBSTITUTE TRUCK, PREPARE A SEPARATE TRIP RECORD TO COVER THE MILEAGE RUN AND FUEL PURCHASED BY THE SUBSTITUTE TRUCK.

PREPARE A SEPARATE TRIP RECORD FOR EACH TRUCK USED.

ALL FUEL RECEIPTS MUST IDENTIFY:

- (1) COMPANY NAME
- (2) CITY
- (3) STATE
- (4) UNIT #
- (5) INVOICE #
- (6) GALLONS
- (7) PRICE PER GALLON
- (8) TOTAL PRICE
- (9) DRIVER/OPERATOR SIGNATURE

IMPORTANT!

ALL DISPATCH & TRIP REPORTS MUST HAVE MANAGER'S SIGNATURE BEFORE BEING FORWARDED TO CROWN COLONY.

Driver Instructions

- 1.) Tractor #
- 2.) Trailer #
- 3.) Fleet #
- 4.) Fuel Type
- 5.) Driver Name
- 6.) Origin
- 7.) Destination(s)
- 8.) Dates of Trip
- 9.) State(s) or Province(s)
- 10.) Highways Used
- 11.) Odometer Readings
- 12.) Mileage - Non-Toll & Toll

DISPATCH AND TRIP REPORT
FOR CROWN COLONY FUEL AND TOLL RECORDING SYSTEM

CleanHarbors

1. TRACTOR # 2. TRAILER # 3. FLEET # 4. FUEL TYPE 5. DRIVER NAME 6. ORIGIN 7. DESTINATION(S) 8. DATES OF TRIP 9. STATE(S) OR PROVINCE(S) 10. HIGHWAYS USED 11. ODOMETER READINGS 12. MILEAGE - NON-TOLL & TOLL

13. FUEL PURCHASED - GALLONS (When fuel is purchased, enter each purchase separately and show the number of gallons on the same line as the state in which the purchase was made in the column marked "GAL.") When bulk fuel is used, indicate "BULK." Attach all bulk receipts.

14. Your Full Legal Signature.

15. Manager's Signature

IMPORTANT:
STAPLE
ALL
ORIGINAL
FUEL
&
TOLL
RECEIPTS
HERE

COMMENTS: _____

15. SEAT BELTS

49 CFR 392.16 USE OF SEAT BELTS: A motor vehicle shall not be driven unless the driver is properly restrained by means of a seat belt.

16. TANK 'HEELS' - MANIFEST REQUIREMENTS

- A. For Bulk Haulers - All drivers must carry a copy of the manifest (Copy 5) from the previous load and must placard their vehicle accordingly unless the tank has been cleaned and purged of all residues from the previous load.
- B. Before leaving a vehicle for the day, drivers must place a copy of the Manifest (Copy 5) in the permit holder for all uncleaned or loaded bulk haulers. If the tank is coupled to a tractor, the copy of the manifest must be either on the driver's seat or in the pouch on the driver's door. Remember, all heels over five (5) gallons must be recorded in Item J of the manifest by the TSDF. It cannot be in ink on Copy 5. The TSDF must sign off the heel on ALL copies of the manifest.
- C. In order to drop the placards on a tank, the tank must be cleaned of all residue of the last material contained within the vessel.

17. DRIVER RESPONSIBILITIES - LOADED VEHICLES

No company vehicle containing hazardous or non-hazardous materials or waste may be parked:

- A. On or within 5 feet of the traveled portion of a public street or highway; or
- B. Within 300 feet of a bridge, tunnel, dwelling, building or place where people congregate or assemble, except for brief periods of time when the necessities of the job so require.

Any company vehicle, which contains hazardous or non-hazardous materials or waste and which is located on a public street or highway or the shoulder of a public highway, must be attended by its driver or a qualified representative of the motor carrier. The vehicle need not be attended while its driver is performing duties incidental and necessary to his duties as the operator of the vehicle. A motor vehicle is considered attended when the person in charge of the vehicle is on the vehicle, **aware** and **not in the sleeper berth**, or is **within 100 feet** of the vehicle and has it within his unobstructed field of view.

* "Company vehicle" includes leased or loaned equipment.

A driver may leave a loaded vehicle unattended for the purpose of obtaining rest at a hotel/motel provided authorization is obtained from the Motor carrier prior to going off-duty. Sleeper berth equipment is required for runs requiring a driver to lay overnight en route.

49 CFR 397.1 Transportation of Hazardous Materials Driving and Parking Rules: Each officer or employee of the carrier who performs supervisory duties related to the transportation of hazardous materials, and each person who operates or who is in charge of a motor vehicle containing hazardous materials must know and obey the rules in this part.

A “qualified representative” of the motor carrier for purposes of this Policy is a person who:

- A. Has been designated by the carrier to attend the vehicle;
- B. Is aware of the nature of the hazardous materials contained in the vehicle;
- C. Has been instructed on emergency procedures;
- D. Is authorized to move the vehicle and has the means and ability to do so; and
- E. Has a current DOT Qualification File with the motor carrier and is in possession of a valid CDL License with the required Endorsements.

18. RAILROAD CROSSINGS

A motor vehicle (placarded for any type of hazardous material and all cargo tanks regardless of the lading-empty or full) shall not cross a railroad track or tracks at grade unless he/she first: stops the vehicle within 50 feet of, and no closer than 15 feet to the tracks; thereafter listens and looks in each direction along the tracks for an approaching train and ascertains that no train is approaching. When it is safe to do so, the driver may drive the vehicle across the tracks in a gear that permits the vehicle to complete the crossing without a change of gears. The driver may not shift gears while crossing the tracks.

19. TUNNELS

All drivers are to obey all posted restrictions as to travel through tunnels. Whenever practical, routes should be used that avoid travel through tunnels.

20. FUELING

When a motor vehicle is being fueled:

- A. Its engine must not be operating; and
- B. A person must be in control of the fueling process at the point where the fuel tank is filled.

21. COMPLIANCE CHECK PRIOR TO DEPARTURE

In addition to performing the "Pre-Trip and Post-Trip" safety inspections, drivers are required to conduct a compliance inspection of all required permits, operating authorities and vehicle markings prior to accepting a shipment for transportation. This inspection includes all hazardous waste and non hazardous waste permits, fuel permits, single state registration authorities, driver specific documents, U.S. DOT Hazardous Materials Registration, placards, vehicle permit markings and trip specific permits/authorities (i.e. overweight permits, over width permits, etc.). No vehicle may be driven until all required documents have been obtained by the driver.

22. RELEASE REPORTING

All releases of waste materials from company vehicles must be reported to the local facility compliance manager (when a release occurs at a Clean Harbors Facility), the driver's home dispatcher and the Transportation Compliance Department as soon as possible. This includes a release from the cargo being transported (i.e. hazardous or non hazardous) or from the vehicle itself (i.e. diesel fuel, hydraulic fluid, antifreeze). Drivers are required to follow the emergency response plan documents in Section 1 of this manual when complying with the Release Reporting Requirements.

23. DRIVER RESPONSIBILITIES - DRUM LOADS

GOAL: To transport waste safely without incident or accident.

- A. Vehicle Condition/Pre-Trip and Post-Trip Safety Inspection
 - 1. Make sure all lights including brake lights and directionals work; check the condition of tires, brakes and lines; check condition of wheel seals and hub oil level including, but not limited to, all required items of the Pre- and Post-Trip Safety Inspections.
 - 2. Do not depart on a trip with equipment that is not in full compliance with all applicable DOT regulations and specifications. (See 49 CFR Pans 393 & 396 in the Federal Motor Carrier Safety Regulations).

B. Loading Procedure

1. Check each drum before it is loaded to ensure it can be transported. If any drum appears to be sweating, leaking, damp, indented or in rusty condition, give it a thorough inspection. If you do not feel that it can be safely transported, don't load it. Drums that are visibly contaminated with any material are unsuitable for transportation and must be over packed or decontaminated prior to shipment.
2. Check that each drum is labeled. An unlabeled drum is not only in violation, but can cause unnecessary delays at the loading or unloading facility.
3. Keep a total container count as containers are being loaded and check your figures against the manifest prior to signing as the transporter.
4. As loading is being completed, ensure that the vehicle is supplied with at least 3 bags of Speedi Dry before you depart.
5. Remember to remain polite. Do your best to work with the customer and explain your responsibilities. If any difficulties arise, contact your dispatcher.

C. Transporting

1. As experienced drivers, you know [and are required to know] what the law expects of you and your equipment. Once loaded and on the road, your primary concern must be your safety and the safety of others around you. Please operate your vehicle accordingly.
2. Examining the load - A load check and tire check must be conducted and logged every 100 miles or 2 hours, whichever comes first. Conduct all load checks visually. Under no circumstances should a cargo compartment be opened en route. This should be done under controlled circumstances utilizing the proper personnel and containment equipment at one of our facilities. If product is leaking or the trailer smells foul several feet away, call the dispatch office immediately. After hours, refer to your contingency plan (Section I of the Transportation Manual). Whenever possible, contact your dispatcher first.
3. You are required to have a thorough knowledge of the special state requirements section of this manual (Section IV). It is your responsibility to make sure that all permits and authorities are correct and in the permit book or fixed to the correct location on the vehicle for the states you are traveling through.

D. Backhauls

1. Never carry food, grain, flour or any other substance that will be used to make food, spices, or could be added to substances consumed by people or animals.

E. In a "Nut Shell"

1. Check your equipment before you depart.
2. Examine each drum. Do your best to work with the people loading the vehicle and explain your responsibilities. Do not load any questionable drums. When in doubt, call your **dispatcher**.
3. Have at least three bags of Speedi-dry before departing.
4. Call your dispatcher prior to leaving the pick-up site.
5. Never carry any type of food products in the cargo compartment of the vehicle.

24. DRIVER RESPONSIBILITIES - TANK LOADS

GOAL: To transport waste safely without incident or accident.

A. Vehicle Condition/Pre-Trip and Post-Trip Safety Inspection

1. Make sure all lights including brake lights and directionals work; check the condition of tires, brakes and lines; check condition of wheel seals and hub oil level including, but not limited to, all required items of the Pre- and Post-Trip Safety Inspections.
2. Do not depart on a trip with equipment that is not in full compliance with all applicable DOT regulations and specifications. (See 49 CFR Parts 393 & 396 in the Federal Motor Carrier Safety Regulations).

B. General requirements

1. Two or more materials may not be loaded or accepted for transportation in the same cargo tank motor vehicle if, as a result of any mixture of the materials, an unsafe condition would occur.
2. No person may fill and offer a specification cargo tank motor vehicle for which the required inspections have not been successfully completed. Each driver of a tank vehicle is required to ensure that evidence of

successful inspection of the tank was completed. No cargo tank may be loaded with a hazardous material if during transportation any part of the tank in contact with the hazardous material would have a dangerous reaction with the hazardous material. Required inspections are marked on the outside of the tank.

C. Tank loading procedures

1. A cargo may not be loaded with a hazardous material if during transportation any part of the tank in contact with the hazardous material would have a dangerous reaction with the hazardous material.
2. A cargo may not be loaded with a hazardous material that will have an adverse effect on the integrity of the tank, may combine chemically with any residue or contaminants in the tank producing an unsafe condition, or may severely corrode or react with the tank material at any concentration and temperature that will exist during transportation.
3. Air pressure in excess of ambient atmospheric pressure may not be used to load or unload (i.e. pressure load or pressure unload) any lading, which may create an air enriched mixture within the flammability range of the vapor space of a tank. Materials that have a flash point in excess of 140°F will be addressed on a case-by-case basis with the Health and Safety Department.
4. To prevent cargo tank rupture in a loading or unloading operation, the loading or unloading rate must be less than or equal to that indicated on the cargo tank specification plate.
5. A cargo tank must be attended by a qualified person at all times it is being loaded and unloaded. The person who is responsible for loading the cargo tank is also responsible for ensuring that it is so attended. (See "Driver Responsibilities- Loaded Vehicle" in this section for definition of "Qualified Person").
6. Unless the engine of the motor vehicle is used for the operation of a pump, no hazardous material shall be loaded or unloaded while the engine is running.
7. Each cargo tank must be grounded and bonded before and during the transfer of hazardous materials.
8. The driver of a cargo tank is required to ensure that all manhole closures on a cargo tank are closed and secured. Furthermore, all valves and other closures must be closed and free of leaks.

25. ACCIDENT REPORTING

Drivers involved in an accident either on public or private property must immediately stop the vehicle to prevent further damage and must render all reasonable assistance to the injured parties if applicable.

Once the situation is stabilized, all relevant information regarding the accident must be reported verbally to the driver's immediate supervisor, the Risk Management Department and Transportation Compliance at 1-800-282-0058 or 781-849-1800.

The responsible individual is then required to complete a written accident report, which includes a detailed description of the accident, and submit the original report to the Risk Management Department within 24 hours. This includes accidents which involve damage to only Clean Harbors equipment and which do not involve a second party.

Risk Management will follow-up on filing accident reports, insurance claims and other required documents. In the event of a "reportable accident" [as defined below] where the driver is cited for a moving violation associated with the accident, the driver must submit to a post accident alcohol test within 2 hours and a post accident controlled substance test within 32 hours. A driver who is seriously injured and cannot provide a specimen at the time of the accident shall provide the necessary authorization for obtaining hospital reports and other documents that would indicate whether there were any controlled substances in his/her system.

A "Reportable Accident" is defined as an occurrence involving a commercial motor vehicle operating on a public road that results in:

- A. A fatality; or
- B. Bodily injury to a person who, as a result of the injury, immediately receives medical treatment away from the scene of the accident; or
- C. One or more of the vehicles incurring disabling damage as a result of the accident requiring the vehicle to be transported away from the scene by a tow truck or other vehicle

A driver involved in a reportable accident will be required to provide all information required by the DOT on Form MCS 50-T [forms are found in Section XII]. This report is in addition to the accident report required by Risk Management. Driver must also forward copies of all citations received at the scene of an accident to Transportation Compliance within 24 hours.

26. DRIVER OPERATING VIOLATIONS

The moving, operations or regulatory violations listed below may result in progressive discipline for drivers at the discretion of the Company. However, each violation listed below will be considered on a case-by-case basis and the Company does not hereby waive any fight to terminate a driver for violating applicable laws or Company Policies without verbal or written warnings or suspensions. Drivers who commit other violations, which are not listed below, are subject to immediate termination. If progressive discipline is selected by the Company, the following disciplinary steps are recommended:

A. Transportation of Acids and Cyanides:

First offense	3-day suspension without pay
Second offense	Termination

B. Failure to Secure Dome Hatch (driver negligence):

First offense	5-day suspension without pay
Second offense	Termination

C. Missing Containers from Shipment/Missing Manifest/Improper Paperwork:

First offense	Verbal warning
Second offense	Written warning
Third offense	1-day suspension without pay
Fourth offense	3-day suspension without pay
Fifth offense	Termination

D. Transportation without Proper Waste Permits/Vehicle Markings:

First offense	3-day suspension without pay (with a clear compliance record); 5-day suspension without pay (with active compliance warnings on file)
Second offense	Termination

E. Transportation of Improper or Damaged Containers:

First offense	Written warning
Second offense	3-day suspension without pay
Third offense	5-day suspension without pay
Fourth offense	Termination

F. Regulatory/Moving Violations while Operating a Company Vehicle:

As defined by the state Motor Vehicle Departments and the U.S. DOT, these violations include, but are not limited to, speeding, failure to stop, failure to yield, reckless driving, unsafe lane changes, etc.

First offense	Written warning for a single citation; 1-day suspension for multiple violations
Second offense	5-day suspension
Third offense	Termination of driving privileges and possibly employment

All moving violations remain active for two (2) years.

G. Moving Violation while Operating a Personal Vehicle:

1. Conviction of three (3) speeding offenses within two (2) years will result in suspension of Company driving privileges.
2. Conviction of driving under the influence while operating a personal vehicle will result in suspension of Company driving privileges.

Loss of license for any period of time will result in loss of driving privileges for a minimum of one (1) year or the duration of the suspension as decided by the courts, whichever is longer. The Transportation Compliance Department, Legal Department and employee's Operational Vice-President will determine whether driving privileges shall be reinstated.

Employees should be advised that suspension of driving privileges might also mean suspension or termination of employment.

Any disciplinary actions or warnings issued by Clean Harbors will remain active for one (1) year unless otherwise specified in this Transportation Manual or in the disciplinary action. The progressive discipline recommended by this section is not intended to, and shall not, create a contract of employment between the Company and its drivers. These recommended disciplinary measures are intended to provide guidance to Company managers. The Company reserves the right to terminate drivers immediately, without warnings or suspensions, when a driver's conduct warrants immediate termination.

H. Driving under the Influence of Drugs or Alcohol while Operating a Company Vehicle:

First offense	Automatic termination. If an employee refuses a breathalyzer test or registers 0.04 BAC or higher, the employee will be immediately terminated.
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I. Driving or dispatching an Out-of-Service (OOS) Vehicle

First offense	Written warning
Second offense	3-day suspension
Third offense	5-day suspension
Fourth offense	Termination

27. RADAR/LASER DETECTORS

The use and/or possession of radar/laser detectors [defined as "electronic devices that warn drivers that they are approaching an area where the police are enforcing speeding laws"] is prohibited in company trucks and light duty vehicles. These devices are prohibited from being on company vehicles regardless of whether they are plugged in or not.

28. DOUBLE STACKING POLICY

General Policy & Procedures – Double Stacking Policy Clean Harbors' Proprietary Information.

A. Purpose

To comply with U.S. Department of Transportation and Company requirements pertaining to the loading of van trailers, box trucks and intermodals used to transport containerized hazardous materials and waste via highway.

B. Description

Federal and Company regulations/policies require hazardous materials to be loaded onto transportation vehicles in compliance with established U.S. DOT loading and segregation requirements. Double stacking containers within a transportation vehicle must conform to specific requirements.

C. Statement of Policy

1. Double stacking containerized hazardous and regulated waste materials in a transport vehicle is prohibited except for the following circumstances.
 - a. Labpacks packaged in accordance with 49 CFR 173.12 in Class and Divisions 3, 4.1, 5, 6.1 (except all poisonous by inhalation materials), 8 & 9;
 - b. Non-regulated wastes (e.g. non RCRA and non DOT).

2. Empty containers:

- a. Non-bulk packages (other than labpacks) which contain solids in Class and Divisions 4.1, 5, 6.1 (other than poisonous by inhalation materials), 8 & 9;
- b. Packages containing aerosol cans packaged in accordance with the limited quantity exemption found in 49 CFR 173.306;
- c. Case-by-case basis for bulk packages, shipments by rail, shipment by vessel and special circumstances. (Contact Corporate Compliance Department).

D. Additional Requirements

When double stacking containers within a transport vehicle, the following requirements must be followed:

- 1. Only vehicles that are equipped with secondary containment may be used for shipments containing double stacked containers;
- 2. Containers may not be stacked more than 2 high;
- 3. Liquids (other than labpacks) may not be stacked on top of other containers;
- 4. U.S. Department of Transportation segregation requirements found in 49 CFR 177.848 must be followed. Under no circumstances may Class 8 material be loaded next to, adjacent to or above Class 4 or 5 materials;
- 5. Class and Divisions 2.1, 2.2, 2.3 (except for aerosols packaged in accordance with the limited quantity exemption found in 49 CFR 173.306) 4.2, 4.3, 5.2, 6.1 (poisonous by inhalation materials) and PCB's are prohibited from being double stacked;
- 6. All containers must be adequately blocked and braced to prevent any movement between containers;
- 7. Vehicle weight limits (both gross vehicle weight and axle weights) must be within regulatory limits;
- 8. All shipments must be accompanied by a completed load preparation checklist;

9. No container may be double stacked which will crush or damage the container it is loaded above (i.e. Flex bins and Cubic yard sacks).
10. Flex bins may be double stacked on 4/55 gallon steel drums.

29. OUT OF SERVICE REQUIREMENTS

No company employee may operate or instruct an employee to operate a vehicle that has been placed out of service by a local, state or federal official until the identified defects are corrected.

30. OPERATION OF COMMERCIAL MOTOR VEHICLES

The operation of commercial motor vehicles either on public or private property or on public roadways is restricted to those employees who have established a driver qualification file with Clean Harbors, possess a valid commercial driver's license for the equipment being operated, and is authorized to operate the specific type of equipment either through successful completion of internal training modules or verifiable experience. Employees in possession of a learner's permit may only operate a commercial motor vehicle while in the presence of a driver trainer authorized for the piece of equipment in question. The term "operate" includes conducting pre & post trip inspections, starting of commercial motor vehicles, movements of commercial motor vehicles on private property (Clean Harbor's facilities or client property), loading and unloading operations requiring an authorized employee to be present (i.e. tank vehicles) and the driving of commercial motor vehicles.

31. PARKING OF COMMERCIAL MOTOR VEHICLES

All company vehicles must have the parking brake secured when the vehicle is parked. In addition, all vehicles with a gross vehicle weight rating of 10,001 pounds or more, a gross combination weight rating of 10,001 pounds or more, or any vehicle transporting a placardable amount of hazardous materials must be chocked at all times when parked.

Trailers without the power unit attached that contain full or partial loads of hazardous or non-hazardous waste or that are being loaded, must be chocked and jack stands must be used in addition to the trailer's loading gear.

Waste hauling vehicles, empty or full, may not be parked or staged at private residences or at unsecured locations. All staging or parking of hazardous and non-hazardous waste hauling vehicles must comply with U.S. DOT requirements.

APPENDIX 1: Health & Safety Department - Program Clarification

HEALTH AND SAFETY DEPARTMENT PROGRAM CLARIFICATION (95-01)

PROGRAM: CONFINED SPACE ENTRY GUIDELINES

SUBJECT: Transportation Vehicles:
Roll-Off Containers
Dump Truck Beds
Trailers, Box, Van, etc.
High Velocity Vacuum Vehicles
(Vactors, Guzzlers, Cusco, etc.)

ATTACHMENTS: Reclassification (Non-Permit Entry) Certificate

DATE: February 13, 1995

Purpose

Questions have arisen regarding the classification of certain vehicle spaces as confined spaces, and the appropriate entry procedures. The purpose of this program clarification is to address four such vehicle spaces: roll-off containers; dump truck beds; tractor trailers; and high velocity vacuum vehicles such as Vactors, Guzzlers, and Cuscos.

Background

The Occupational Safety and Health Administration (OSHA) defines confined space as any space that:

1. Is large enough and so configured that an employee can bodily enter and perform assigned work;
2. Has limited or restricted means for entry or exit; and
3. Is not designed for continuous employee occupancy.

Based on that determination, a confined space is further classified as either a permit-required or non-permit required space. OSHA defines a permit-required confined space as one that:

1. Contains or has a potential to contain a hazardous atmosphere;
2. Contains a material that has a potential for engulfing an entrant;
3. Has an internal configuration such that an entrant could be trapped or asphyxiated by inwardly converging walls or by a floor which slopes downward and tapers to a smaller cross section;
4. Contains any other recognized serious safety or health hazard.

OSHA defines a non-permit confined space as:

A confined space that does not contain or, with respect to atmospheric hazards, have the potential to contain any hazard capable of causing death or serious physical harm.

Confined spaces can be classified or reclassified as non-permit required spaces (reclassified from permit-required spaces) according to procedures specified in the OSHA standard.

We have posed this question to several OSHA personnel in various regional offices and the national office. As a result of their responses, CHES has decided to approach the aforementioned spaces in the following manner. A written request for clarification has been sent to OSHA, but not yet received. Therefore, this clarification may be changed when we receive OSHA's response.

Guideline Summary

Based on information received from OSHA and CHES' review of the operations conducted and the hazards associated with those vehicle operations, the following guidelines must be followed:

- * Roll-Off Containers - Not treated as a confined space if the rear door can be opened. If the rear door cannot be opened, treat as either a permit or non-permit required space, following the guidelines listed below.
- * Dump Truck Beds - Treat as either a permit or a non-permit required space, following the guidelines listed below.
- * Trailers - Not treated as a confined space unless access and egress is blocked, thereby hindering an escape in an emergency. However, in the event of a spill, release or other unplanned event, hazard assessment, exposure monitoring and other appropriate health and safety and emergency response procedures must be followed when entering the trailer.
- * High Velocity Vacuum Vehicles - Treat as permit required confined spaces, following established CSE guidelines.

GUIDELINES

1. ROLL-OFF CONTAINERS

1.1 Rear Opening Door (Side Hinged Doors)

- Not a Confined Space
- Door must remain open throughout entry operations.
- Access and egress must not hinder an entrant's ability to escape in an emergency.
- Follow standard Health and Safety protocol.

1.2 No Rear Door

1.2.1 Cleaning Required

- Treat as a permit-required confined space.
- Cleaning (removal of all visible material) required to reclassify to a non-permit required space.
- After cleaning, monitor the space and complete Section II: Monitoring of the Reclassification Certificate (attached), and attach/provide/communicate with the roll-off container for next entry.

1.2.2 Empty and Cleaned (Per 1.2.1)

- o Reclassification Certificate/Monitoring available (Section II: Monitoring or other data available):
 - Treat as a non-permit required confined space;
 - Verify that the space conditions have not changed by completing Section I: Site Assessment of the Reclassification Certificate.
 - Communicate certificate information to the entrant (s).
- o Reclassification Certificate or monitoring data is NOT available:
 - Re-monitor the space.
 - Complete Section II: Monitoring of the Reclassification Certificate.
 - Provide with the roll-off for next entry.
 - Complete Section I: Site Assessment upon entry.

1.2.3 Full

- Not a confined space

1.2.4 Filling

- If entry is necessary, contact Health and Safety.

2.0 DUMP TRUCK BEDS

2.1 Cleaning Required

- Treat as permit-required confined space.
- Cleaning (removal of all visible material) required to reclassify to a non-permit confined space.
- Complete Reclassification Certificate, Section II: Monitoring, and attach/provide/communicate with dump truck.

2.2 Empty and Cleaned (Per 2.1)

- o Reclassification Certificate/Monitoring available (Section II: Monitoring or other data available):
 - Treat as a non-permit required confined space;
 - Verify that the space conditions have not changed by completing Section I: Site Assessment of the Reclassification Certificate.
 - Communicate certificate information to the entrant (s).
- o Reclassification certificate or monitoring data is NOT available:
 - Re-monitor the space.
 - Complete Section II: Monitoring of the Reclassification Certificate.
 - Provide with the dump truck bed for next entry.
 - Complete Section I: Site Assessment upon entry.

2.3 Full

- Not a confined space

2.4 Filling

- If entry is necessary, request assistance from Health and Safety.

3.0 TRAILERS, BOX, VAN, ETC.

3.1 Loading and Unloading

- Not a confined space.

3.2 Spill, Release, Unplanned Event

- Treat as emergency response, contact Health and Safety to determine if other requirements apply (i.e., confined space entry). (If access and egress to the space is blocked, thereby hindering an employee's ability to escape in an emergency, the space may be considered a confined space. Approach response as a confined space as well as an emergency response. Contact Health and Safety for guidance.)

4.0 HIGH VELOCITY VACUUM VEHICLES (Vactors, Cusco, Guzzler, etc.)

- Treat any entry as permit-required confined space.

COMMUNICATION

Please discuss this information with your Supervisors and Foremen and request that they take appropriate action on future work involving these vehicles. Produce a roster of employees who have read and verified, through signatures, that they have read and understood the information. Refer any questions to your local Health and Safety representative.

Please maintain a copy of this memo on file with the latest copy of the Confined Space Entry Program, and post a copy in a conspicuous location in your office. If you have a question or require technical guidance, please consult a Health and Safety staff member or Bob Spielvogel. Please discuss during future "general assembly".

PG20443

Att./22712

APPENDIX 2: Reclassification Certificate

CLEAN HARBORS ENVIRONMENTAL SERVICES RECLASSIFICATION CERTIFICATE Non-Permit Confined Space Entry

Location: _____ Date: _____
 Purpose of Entry: _____ Time: _____ (am/pm)
 Entry Supervisor (print name): _____
 Entrants' Names (print names): _____
 Space Type: Roll-off _____ Tank _____ Pit _____ Other _____

SECTION I: SITE ASSESSMENT

YES NO

- Were space hazards eliminated? Indicate method:
 Contents Removed _____ Space Isolated (LO/TO) _____
 Describe other hazard elimination methods: _____

Note: Hazard control through ventilation does not constitute elimination. Consult Health and Safety.

- Is the surrounding area free of hazards in the area that could present a risk to entrants, such as drifting vapors from piping, tanks, sewers or other atmospheric hazards? _____
- Is the area likely to remain free of atmospheric hazards during entry--i.e., no hazardous operations performed in the space: No chemical added to the space; others? _____
- Do current monitoring results indicate that all atmospheric hazards have been eliminated _____
- Have all other hazards within the space been eliminated? If no, treat as a Permit-Required Confined Space _____

SECTION II: MONITORING

- Are oxygen levels between 19.5% and 22.0%? _____
- Are combustible gas meter readings below detectable limits (Zero LEL) _____
- Are toxic contaminants below one-half respective TLV/PEL? _____

MONITORING RESULTS

Monitoring Location	TIME	OXYGEN	LEL %	TOXICS
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

Reclassification Certificate cont'd.

ACTION ITEMS

1. ANY "NO" ANSWER REQUIRES IMPLEMENTATION OF ALL PERMIT-REQUIRED CONFINED SPACE GUIDELINES.
2. ENSURE ALL EMPLOYEES ENTERING THE SPACE REVIEW AND SIGN THE CERTIFICATE.
3. IF HAZARDS ARISE DURING ENTRY, EACH EMPLOYEE MUST EXIT THE SPACE IMMEDIATELY! A RE-EVALUATION MUST BE PERFORMED BEFORE THE SPACE CAN BE FURTHER RECLASSIFIED. A NEW RECLASSIFICATION CERTIFICATE AND MONITORING MUST BE COMPLETED.

Entrants' Signatures
